STRUCTURE ACTIVITY TEAM REPORT	ver. 04/98	[redacted]	
Case #:	P-04-0141	**DCN:**	
SAT Date:	12/9/2003	**SAT Chair:**	L. Keifer

Submitter: [redacted]

[redacted]

CAS RN:	Trade Name:
None	Miratatine CBS, Miratatine CBS Avon

Structure

[redacted]

RECEIVED
2005 JUN -7 AM 10:01

Molecular Formula:	[redacted]	
Molecular Wt. [redacted]	**WT%<500:**	**WT%<1000:**
MP:	**BP:**	**Eq. Wt:**
H2O Sol (g/L): [redacted]	**V.P.** [redacted]	
Max. Prod. Volume (kg/yr): [redacted]	**Physical State:** [redacted]	

USE:

Foam control and wetting agent for laundry detergent, hard surface cleaners and long lasting toilet bowl blocks.
No references found.

Related Case Numbers	Case Role	Related Case Numbers	Case Role

Focus Date: 12-15-03 Results: 5(2) Eco Cat Fate

5005000390

STRUCTURE ACTIVITY TEAM REPORT [redacted] 12/09/03

CASE NUMBER: **P04-0141**

RELATED CASES:

CONCLUSIONS/DISCUSSIONS

TYPE OF CONCERN:	HEALTH	ECOTOX
LEVEL OF CONCERN:	2	2

KEYWORDS: LUNG IRR-E,S,MM,L
AQUATOX

SUMMARY OF ASSESSMENT

[redacted]

Time for complete ultimate aerobic biodeg = wk-mo
PBT Potential: P1B1T1
Sorption to soils/sediments = low
*CEB FATE: Migration to ground water = slow - moderate

HEALTH: Absorption is nil from the skin, poor from the GI tract, and moderate from the lung (analog). Concern for surfactant effects on the lung; and irritation to all tissues based on submitted test data.

*CEB HEALTH: Moderate concern (Dermal, inhalation); XB: NO testing

Test data: [redacted]

ECOTOX: Predicted (P) and measured (M) toxicity values in mg/L (ppm) FOR THE LEAST TOXIC PRODUCT THAT CAN BE MAKE UNDER THE CAS NAME (92% C12, 2% C14, 2% C16, 2% C18, 2% C18=) WITH WEIGHT AVERAGE ALKYL HYDROPHOBE = 11.4 CARBONS are:
fish 96-h LC50 = 350.0 P

daphnid 48-h LC50 = 350.0 P
green algal 96-h EC50 = 350.0 P
fish chronic value = 40.0 P
daphnid ChV = 40.0 P
algal ChV = 90.0 P
Predictions are based on SAR-nearest analog method for amphoteric surfactants-C11.4-Q-SO3; SAR chemical class = surfactant-amphoteric-C11.4-amide-C3N(C)(C)CC(O)CS(=O)(=O)O; MW428; pH7; effective concentrations based on 100% active ingredients and mean measured concentrations; hardness <150.0 mg/L as CaCO3; and TOC <2.0 mg/L;
low concern for toxicity
assessment factor = 10.0
concern concentration = 1.0 mg/L (ppm)

Predicted (P) and measured (M) toxicity values in mg/L (ppm) FOR THE MOST TOXIC PRODUCT THAT CAN BE MAKE UNDER THE CAS NAME (2% C12, 2% C14, 2% C16, 92% C18, 2% C18=) WITH WEIGHT AVERAGE ALKYL HYDROPHOBE = 16.8 CARBONS are:
fish 96-h LC50 = 0.590 P
daphnid 48-h LC50 = 0.590 P
green algal 96-h EC50 = 0.590 P
fish chronic value = 0.060 P
daphnid ChV = 0.060 P
algal ChV = 0.150 P
Predictions are based on SAR-nearest analog method for amphoteric surfactants-C16.8-Q-SO3; SAR chemical class = surfactant-amphoteric-C16.8-amide-C3N(C)(C)CC(O)CS(=O)(=O)O; MW504; pH7; effective concentrations based on 100% active ingredients and mean measured concentrations; hardness <150.0 mg/L as CaCO3; and TOC <2.0 mg/L;
high concern for toxicity
assessment factor = 10.0
concern concentration = 0.006 mg/L (ppm)

Submitted test data for a product with unknown composition:
fish (FHM) 96-h LC50 = [redacted]
daphnid 48-h LC50 = [redacted]
fish ChV = [redacted]
daphnid ChV = [redacted]
The toxicity of this product is intermediate between the worst case product the least toxic product.

[redacted]

[redacted]

NCSAB SAT REPORT [redacted]

PMN: P-04-0141 CAS RN: None

[redacted]

Production Volume: [redacted]

[redacted]

Use:

[redacted]

Formula: [redacted] Eq Wt:

Mol Weight: [redacted] 3 Wt%<500: Wt%<1000

MP: BP: VP: [redacted]

[redacted]

TD

BCF

CHEMICAL CLASS: SAR: Surfactant - amphoteric - Q-S

ECOTOX CONCERN H M L CONCERN CONCENTRATION LOQ 0.020

DATE 12/9/03 ASSESSOR:

GTOX Report

PMN No.	CAS No.	Rcvd:	OECD	ID: Rec# 3 : 142
P-04-0141	000000-00-0	11/24/03	Incomplet	

S/A: S

Name of Analog:

Reviewer: NSH

		with activation	without activation	Positive Strains
Salmonella Assay:		☐	☐	
Chromosomal Aberration	CHO:	☐	☐	
	CHL:	☐	☐	
	V79:	☐	☐	
E. coli Reverse Mutation:		☐	☐	
Mouse Micronucleus Assay:	Route:		☐	
Rat Hepatocytes Unscheduled DNA Synthesis:			☐	

Other GTOX Results

Comments

ECOTOX: [X]

Fate: Primary Biodegrad. tests (BOD/COD & River Die Away, p.88-89);Ready Biodegrad. tests (Mod. OECD Screening, p.90-91;Closed Bottle, p.92-96); Potential Final Aerobic Biodegrad. in Aq. medium, p.97-114.

WS/Log P: Soluble, p.13

Toxicology Report

PMN No.	CAS No.	Rcvd:	OECD	ID: Rec# 3 : 223
P-04-0141	000000-00-0	11/24/2003	Incomplete	

S/A	Name of Analog	Reviewer	Study#:
S		NSH	223

Study Type - [redacted]

Species [redacted]

Sex [redacted]

Route [redacted]

Test Substance Description

Test Conditions

[redacted]

Results

[redacted]

Toxicology Report

PMN No.	CAS No.	Rcvd:	OECD	ID: Rec# 3 : 224
P-04-0141	000000-00-0	11/24/2003	Incomplete	

S/A	Name of Analog	Reviewer	Study#:
S		NSH	224

Study Type	Species	Sex	Route
[redacted]	[redacted]	[redacted]	[redacted]

Test Substance Description

Test Conditions

[redacted]

Results

[redacted]

Toxicology Report

PMN No.	CAS No.	Rcvd:	OECD	ID: Rec# 3 : 225
P-04-0141	000000-00-0	11/24/2003	Incomplete	

S/A	Name of Analog	Reviewer	Study#:
S		NSH	225

Study Type [redacted]

Species [redacted]

Sex [redacted]

Route [redacted]

Test Substance Description

Test Conditions

[redacted]

Results

[redacted]

OPPT STRUCTURE ACTIVITY TEAM (SAT) MEETING [redacted]

ATTENDEES [redacted]

[redacted]